Betopper LPC007-H

Betopper LPC007-H LED Par Light User Manual

Model: **LPC007-H** | Brand: **Betopper**

1. Introduction

The Betopper LPC007-H LED Par Light is a high-power stage lighting fixture designed for various events and venues. Featuring 54x3W RGB 3-in-1 LED lamp beads, it delivers super bright and colorful lighting effects. This versatile light supports multiple working modes including Auto, Sound Activated, Master-slave, and DMX 512, making it suitable for parties, weddings, bars, festivals, and professional stage setups. Its robust aluminum housing and independent cooling fan ensure reliable performance and excellent heat dissipation.

2. Safety Information

- Always connect the device to a grounded power outlet.
- Ensure the voltage of the power supply matches the rated voltage of the device.
- Do not open the housing; there are no user-serviceable parts inside. Refer all servicing to qualified personnel.
- Avoid direct eye exposure to the light source, as it can cause eye damage.
- Keep the device away from rain, moisture, and excessive heat.
- Ensure proper ventilation around the fixture to prevent overheating.
- Disconnect from power before cleaning or performing any maintenance.

3. Package Contents

Please check to ensure all items are present and in good condition:

- Betopper LPC007-H LED Par Light
- Power Cable
- Mounting Brackets and Screws
- User Manual (this document)

4. Product Overview

The Betopper LPC007-H features a robust design with intuitive controls and versatile connectivity options.



Figure 4.1: Front view of the Betopper LPC007-H LED Par Light.

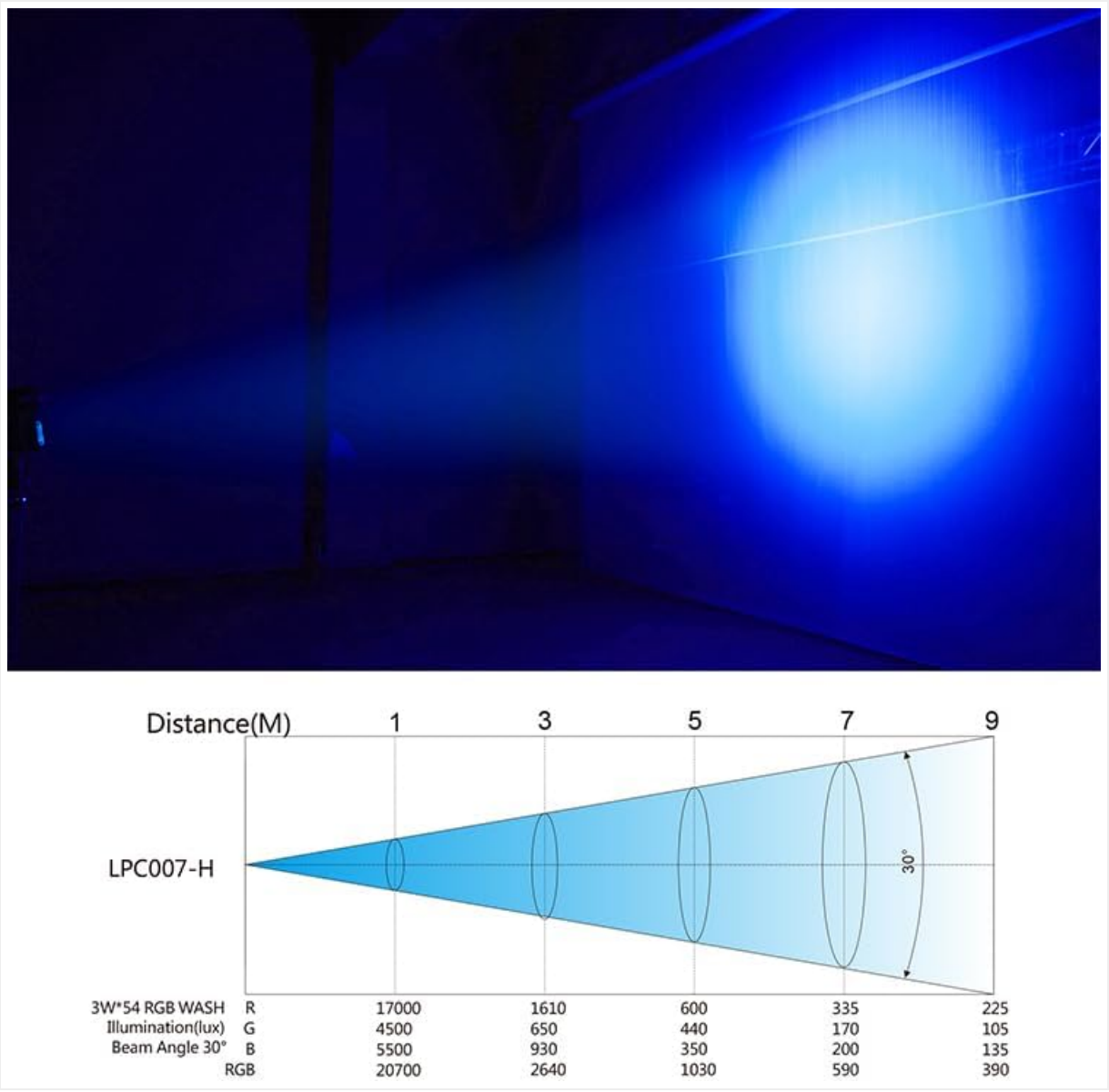


Figure 4.2: Rear panel showing power input/output, DMX input/output, and control buttons (Menu, Up, Down, Enter).

4.1 Components and Controls

- **LED Array:** 54x3W RGB 3-in-1 LEDs for vibrant color mixing.
- **Mounting Bracket:** Adjustable bracket for floor standing, truss mounting, or wall mounting.
- **Control Panel:** Digital display with Menu, Up, Down, and Enter buttons for mode selection and parameter adjustment.
- **Power Input/Output:** Daisy chain power for multiple units.
- **DMX Input/Output:** For DMX 512 control.
- **Cooling Fan:** Integrated fan for efficient heat dissipation.

5. Setup

1. **Unpacking:** Carefully remove the light fixture and all accessories from the packaging.
2. **Mounting:**
    - Attach the mounting bracket to the fixture using the provided screws.
    - Position the light on a stable surface, mount it to a truss, or secure it to a wall using appropriate clamps or hardware (not included). Ensure the fixture is securely fastened to prevent accidental falls.



Figure 5.1: Example of multiple units connected via daisy chain for master-slave operation.

3. **Power Connection:** Connect the power cable to the "POWER IN" port on the rear of the fixture. Plug the other end into a suitable grounded power outlet (AC 100-240V, 50/60Hz). For multiple units, use the "POWER OUT" port to daisy chain power to subsequent fixtures.
4. **DMX Connection (Optional):** If using DMX control, connect a DMX cable from your DMX controller's output to the "DMX IN" port of the first fixture. For multiple fixtures, connect the "DMX OUT" of the first fixture to the "DMX IN" of the next, and so on.

6. Operating Modes

The Betopper LPC007-H offers four primary operating modes, selectable via the control panel:

- **1. Auto Mode:** The light cycles through pre-programmed color changes and effects automatically, creating a dynamic atmosphere.

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Video 6.1: Demonstration of Auto Mode, showcasing automatic color transitions and effects.

- **2. Sound Activated Mode:** The lighting effects change in response to the rhythm and beat of surrounding music or

sound.

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Video 6.2: Example of Sound Activated Mode, where light patterns synchronize with audio.

- **3. Master-Slave Mode:** Connect multiple LPC007-H units together. One unit acts as the master, controlling the synchronized operation of all connected slave units.



Figure 6.1: Visual representation of lights operating in Master-Slave mode.

- **4. DMX 512 Mode:** For professional control, connect the fixture to a DMX controller. This mode allows for precise programming and customization of lighting effects using 3 or 7 DMX channels.

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Video 6.3: Demonstration of DMX 512 control, showing various color transitions and strobe effects.

6.1 Color Effects

The LPC007-H can produce a wide range of colors and effects:

- Static colors (Red, Green, Blue, and combinations)
- Color combination

- Color changing mode
- Jumping
- Strobe
- Hopping
- Dimmable
- Fade

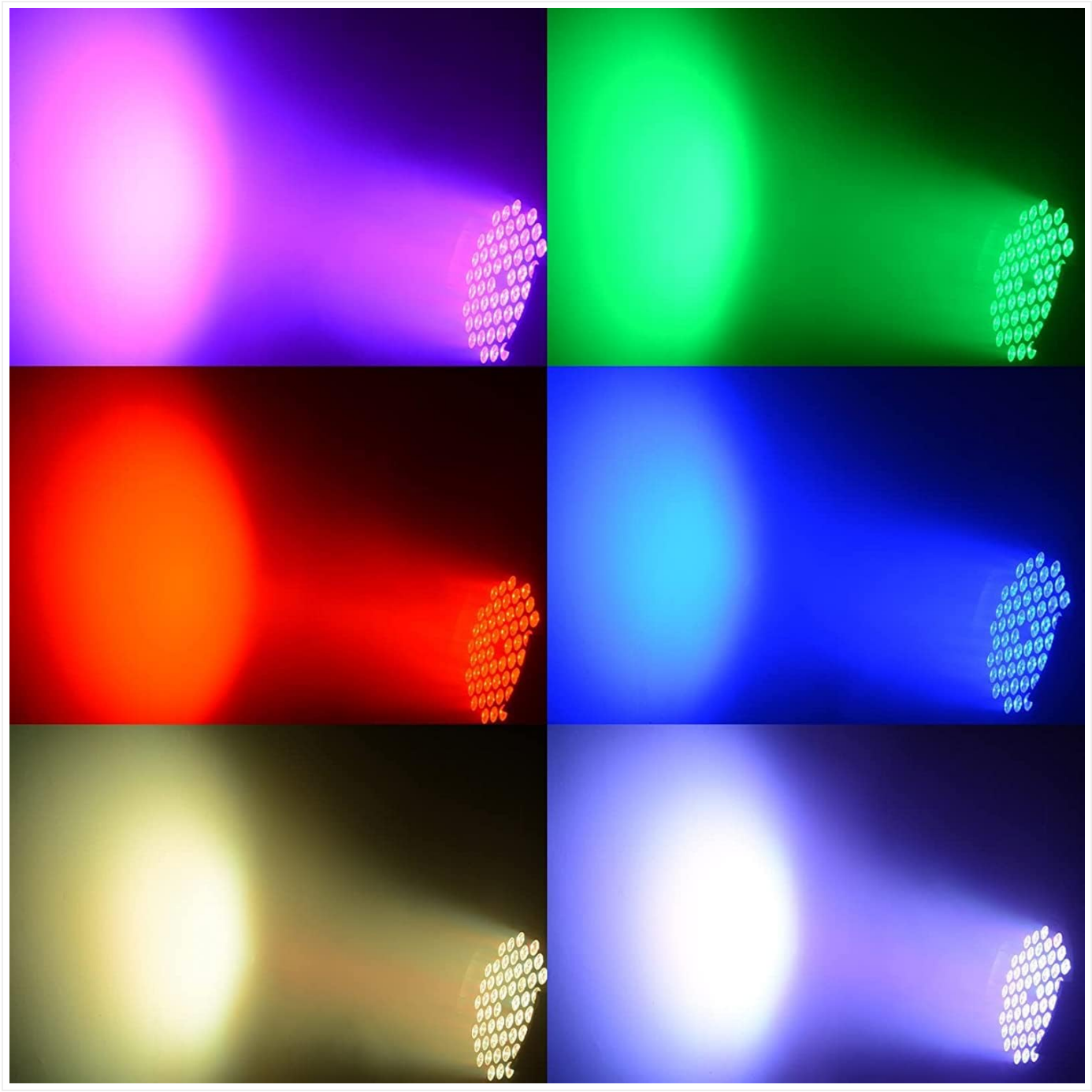


Figure 6.2: Examples of static color outputs (Red, Green, Blue, Purple, Orange, Yellow).

7. Maintenance

Regular maintenance ensures the longevity and optimal performance of your Betopper LPC007-H LED Par Light.

- **Cleaning:**
  - Before cleaning, always disconnect the fixture from the power supply.

- Use a soft, lint-free cloth to wipe down the exterior of the fixture.
- For stubborn dirt, use a mild glass cleaner on the cloth (do not spray directly onto the fixture).
- Regularly clean the fan vents to ensure proper airflow and prevent dust buildup.

- **Storage:** When not in use for extended periods, store the fixture in a dry, dust-free environment, preferably in its original packaging or a padded case.
- **Inspection:** Periodically check all cables, connections, and mounting hardware for any signs of wear, damage, or looseness. Replace any damaged components immediately.



Figure 7.1: The active cooling system with an independent fan and aluminum housing helps maintain optimal operating temperature.

8. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; faulty cable; internal issue.	Check power connection and outlet. Try a different power cable. If problem persists, contact support.
No DMX control.	Incorrect DMX address; faulty DMX cable; incorrect mode.	Verify DMX address setting. Check DMX cable connections. Ensure light is in DMX mode.
Light flickers or behaves erratically.	Unstable power; DMX signal interference; overheating.	Ensure stable power supply. Check DMX connections and termination. Ensure adequate ventilation.
Sound Activated mode not working.	No sound input; low sound sensitivity; incorrect mode.	Ensure sufficient sound volume near the fixture. Adjust sensitivity if available. Confirm light is in Sound Activated mode.

9. Specifications

Feature	Detail
Model	LPC007-H
Light Source	54 x 3W RGB 3-in-1 LEDs
Power Consumption	180 Watts
Voltage	AC 100-240V, 50/60Hz
Brightness	3000 Lumens (up to 10000 Lumens max output)
Beam Angle	40 degrees
Control Modes	Auto, Sound Activated, Master-Slave, DMX 512 (3/7-CH)
Material	Aluminum
Color	Black
Dimensions (L x W x H)	11.1" x 8.5" x 7.9"
Item Weight	2 kg (4.4 lbs)
UPC	710280347053

10. Warranty and Support

For warranty information, technical support, or service inquiries, please refer to the official Betopper website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.
You can also find the official User Manual PDFhere.

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